

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((("3875201") or ("3984384"))).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/04/06 13:55
S1	20	((("3078153") or ("5875201") or ("5984384") or ("4000222") or ("6153705") or ("6545098") or ("20030045661") or ("6642318") or ("20040024132"))).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/04/06 13:55
S2	550	(548/531).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/04/06 13:40
S3	7	("2259559").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/04/06 13:41
S4	9	("9801478").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/04/06 13:41

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 21	IPC search and display fields enhanced in CA/CAPLUS with the IPC reform
NEWS	4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2
NEWS	5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS	6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS	9	JAN 30	Saved answer limit increased
NEWS	10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS	11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	12	FEB 22	Status of current WO (PCT) information on STN
NEWS	13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	17	FEB 28	TOXCENTER reloaded with enhancements
NEWS	18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	19	MAR 01	INSPEC reloaded and enhanced
NEWS	20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	21	MAR 08	X.25 communication option no longer available after June 2006
NEWS	22	MAR 22	EMBASE is now updated on a daily basis
NEWS	23	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	24	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	25	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS EXPRESS			FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 12:52:42 ON 06 APR 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.21	0.21
------	------

FILE 'REGISTRY' ENTERED AT 12:52:51 ON 06 APR 2006

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STRUCTURE FILE UPDATES: 4 APR 2006 HIGHEST RN 879269-14-4

DICTIONARY FILE UPDATES: 4 APR 2006 HIGHEST RN 879269-14-4

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

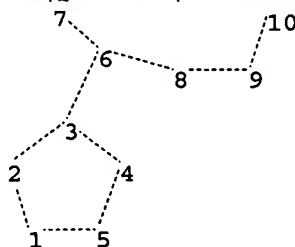
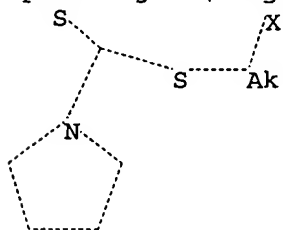
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10662902.str



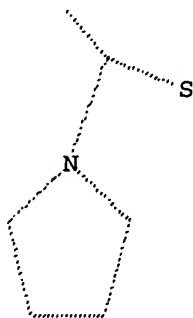
chain nodes :
6 7 8 9 10
ring nodes :
1 2 3 4 5
chain bonds :

3-6 6-7 6-8 8-9 9-10
 ring bonds :
 1-2 1-5 2-3 3-4 4-5
 exact/norm bonds :
 1-2 1-5 2-3 3-4 3-6 4-5 6-7 6-8 8-9 9-10

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS

L1 STRUCTURE UPLOADED

=> d
 L1 HAS NO ANSWERS
 L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
 SAMPLE SEARCH INITIATED 12:53:12 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 324 TO ITERATE

100.0% PROCESSED 324 ITERATIONS 41 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 5401 TO 7559
 PROJECTED ANSWERS: 436 TO 1204

L2 41 SEA SSS SAM L1

=> s l1 full
 FULL SEARCH INITIATED 12:53:15 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 7151 TO ITERATE

100.0% PROCESSED 7151 ITERATIONS 1273 ANSWERS
 SEARCH TIME: 00.00.01

L3 1273 SEA SSS FUL L1

=> s l3 and caplus/lc
 50249529 CAPLUS/LC
 L4 1029 L3 AND CAPLUS/LC

=> fil caplus
 COST IN U.S. DOLLARS SINCE FILE TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	171.70	171.91

FILE 'CAPLUS' ENTERED AT 12:53:24 ON 06 APR 2006
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FILE COVERS 1907 - 6 Apr 2006 VOL 144 ISS 15
FILE LAST UPDATED: 4 Apr 2006 (20060404/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l4
L5 2037 L4

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.46	172.37

FILE 'STNGUIDE' ENTERED AT 12:53:30 ON 06 APR 2006
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 31, 2006 (20060331/UP).

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.06	172.43

FILE 'REGISTRY' ENTERED AT 12:54:17 ON 06 APR 2006
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DICTIONARY FILE UPDATES: 4 APR 2006 HIGHEST RN 879269-14-4

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*****
*
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* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information.  *
*
*****

```

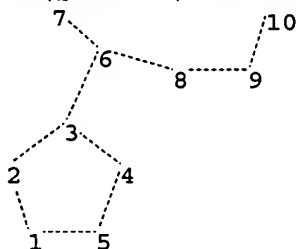
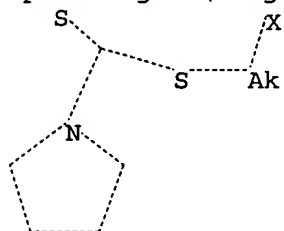
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10662902.str



chain nodes :

6 7 8 9 10

ring nodes :

1 2 3 4 5

chain bonds :

3-6 6-7 6-8 8-9 9-10

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 4-5 6-7 6-8 8-9 9-10

Match level :

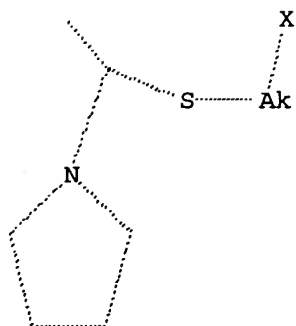
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR



Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 12:52:42 ON 06 APR 2006)

FILE 'REGISTRY' ENTERED AT 12:52:51 ON 06 APR 2006

L1 STRUCTURE UPLOADED

L2 41 S L1

L3 1273 S L1 FULL

L4 1029 S L3 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 12:53:24 ON 06 APR 2006

L5 2037 S L4

FILE 'STNGUIDE' ENTERED AT 12:53:30 ON 06 APR 2006

FILE 'REGISTRY' ENTERED AT 12:54:17 ON 06 APR 2006

L6 STRUCTURE UPLOADED

=> s l6 subset=l4 full

FULL SUBSET SEARCH INITIATED 12:54:48 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 1029 TO ITERATE

100.0% PROCESSED 1029 ITERATIONS

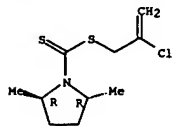
24 ANSWERS

SEARCH TIME: 00.00.01

L7 24 SEA SUB=L4 SSS FUL L6

=> d scan

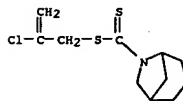
L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Pyrrolidinecarbodithioic acid, 2,5-dimethyl-, 2-chloro-2-propenyl
 ester,
 trans- (9CI)
 MF C10 H16 Cl N S2
 Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

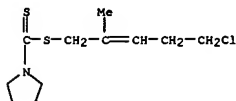
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 2-chloro-2-propenyl ester
 (9CI)
 MF C11 H16 Cl N S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

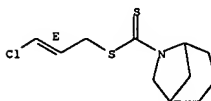
L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Pyrrolidinecarbodithioic acid, 5-chloro-2-methyl-2-pentenyl ester (9CI)
 MF C11 H18 Cl N S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl
 ester,
 (E)- (9CI)
 MF C11 H16 Cl N S2

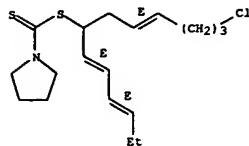
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

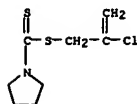
L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Pyrrolidinecarbodithioic acid, 1-(6-chloro-2-hexenyl)-2,4-heptadienyl
 ester, (E,E,E)- (9CI)
 MF C18 H28 Cl N S2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 24 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Pyrrolidinecarbodithioic acid, 2-chloro-2-propenyl ester (9CI)
 MF C8 H12 Cl N S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
167.38	339.81

FULL ESTIMATED COST

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=> fil reg
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.46	340.27

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 12:55:17 ON 06 APR 2006
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* available and contains the CA role and document type information. *
*

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> d his

(FILE 'HOME' ENTERED AT 12:52:42 ON 06 APR 2006)

FILE 'REGISTRY' ENTERED AT 12:52:51 ON 06 APR 2006

L1 STRUCTURE UPLOADED

L2 41 S L1

L3 1273 S L1 FULL

L4 1029 S L3 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 12:53:24 ON 06 APR 2006

L5 2037 S L4

FILE 'STNGUIDE' ENTERED AT 12:53:30 ON 06 APR 2006

FILE 'REGISTRY' ENTERED AT 12:54:17 ON 06 APR 2006

L6 STRUCTURE UPLOADED

L7 24 S L6 FULL SUB=L4

FILE 'CAPLUS' ENTERED AT 12:55:15 ON 06 APR 2006

FILE 'REGISTRY' ENTERED AT 12:55:17 ON 06 APR 2006

=> s l7 and caplus/lc

50249529 CAPLUS/LC

L8 24 L7 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

5.20

345.47

FILE 'CAPLUS' ENTERED AT 12:55:26 ON 06 APR 2006

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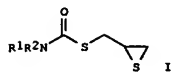
<http://www.cas.org/infopolicy.html>

=> s l8

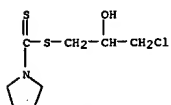
L9 20 L8

=> d ibib abs hitstr 1-20

L9 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:58132 CAPLUS
 TITLE: A simple and convenient method for the synthesis of
 1-dialkylaminocarbothioic acid
 S-[(2,3-epithio)propyl]
 AUTHOR(S): Kisan Kumar, S. T. V. S.; Sharma, V. L.; Dwivedi, A.
 K.
 CORPORATE SOURCE: Division of Medicinal and Process Chemistry, Central
 Drug Research Institute, Lucknow, 226001, India
 SOURCE: Journal of Heterocyclic Chemistry (2006), 43(1), 1-5
 CODEN: JHTCAD; ISSN: 0022-152X
 PUBLISHER: HeteroCorporation
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB A simple and convenient method for the synthesis of 1-
 dialkylaminocarbothioic acid S-[(2,3-epithio)propyl] esters I (R1 = Me,
 R2
 = PhCH2; R1R2N = pyrrolidinyl, morpholinyl, perhydroazepinyl,
 4-(2-pyridyl)pyrazinyl, etc.) was developed by the reaction of
 1-dialkylaminocarbothioic acid sodium salt R1R2NC(S)SNa with
 1-chloro-2,3-epoxypropane in water-methanol mixture at room temperature
 An
 intermediate was isolated and characterized, and a possible reaction
 mechanism was proposed.
 IT 878395-74-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (convenient preparation of S-thiiranylmethyl dialkylaminocarbothioic
 acid
 esters by reaction of dialkylaminocarbothioic acid salts with
 (chloromethyl)oxirane)
 RN 878395-74-5 CAPLUS
 CN 1-Pyrrolidinecarbothioic acid, 3-chloro-2-hydroxypropyl ester (9CI)
 (CA
 INDEX NAME)



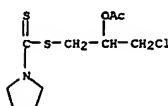
IT 878395-82-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (convenient preparation of S-thiiranylmethyl dialkylaminocarbothioic
 acid

L9 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:247003 CAPLUS
 DOCUMENT NUMBER: 140:271377
 TITLE: Manufacture of dithiocarbamate esters as molecular
 weight regulators for polymerization of dienes
 INVENTOR(S): Achten, Dirk; Klimpel, Michael; Barriau, Emilie;
 Reif,
 Lothar; Mottweiler, Renke; Berg, Heinrich;
 Szentivanyi, Zsolt; Glander, Stefan
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1400508	A1	20040324	EP 2003-19662	20030908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
DE 10243666	A1	20040401	DE 2002-10243666	20020920
US 2004110964	A1	20040610	US 2003-662902	20030915
CN 1495161	A	20040512	CN 2003-132774	20030920
JP 2004115517	A2	20040415	JP 2003-330255	20030922
PRIORITY APPLN. INFO.:			DE 2002-10243666	A 20020920

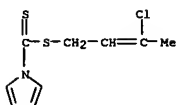
OTHER SOURCE(S): MURPAT 140:271377
 AB Dithiocarbamate esters RC(S)SR1 [R = (un)substituted N-containing
 heterocyclic residue carrying R1S(S) group on N atom, NR2R3; R1 =
 haloalkenyl; R2, R3 = H, (un)substituted alk(en)yl, (un)substituted
 alkoxy, (un)substituted acyl, etc.; pKa of protonated form HNR2R3 is
 12-20], useful as mol. weight regulators, especially for manufacture of
 chloroprene and
 2,3-dichlorobutadiene (co)polymers, were prepared by esterification of
 dithiocarbamate alkali metals salts RC(S)SM (M = alkali metal; R as
 above) with haloalkenyl halides R1X (X = Cl, Br; R1 as above). For
 example, polymerization of chloroprene in the presence of 15 mmol
 3-chloro-2-butenyl 1H-pyrrole-1-carbodithioate (preparation from pyrrole
 potassium salt, CS2 and ClCH2CH=CClMe given) gave polychloroprene having
 mol. weight 50,000 and solution viscosity 14 mPa.s, vs. 169,000 and 67
 mPa.s for polychloroprene prepared in the presence of a previous art
 chain transfer agent.
 IT 674369-33-6P
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (manufacture of dithiocarbamate esters as mol. weight regulators for
 polymerization of
 dienes)
 RN 674369-33-6 CAPLUS
 CN 1H-Pyrrole-1-carbodithioic acid, 3-chloro-2-butenyl ester (9CI) (CA
 INDEX
 NAME)

L9 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 esters by reaction of dialkylaminocarbothioic acid salts with
 (chloromethyl)oxirane)
 RN 878395-82-5 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



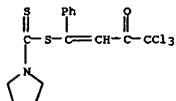
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR
 THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L9 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

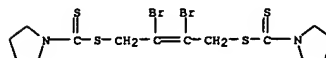
L9 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1990:406251 CAPLUS
 DOCUMENT NUMBER: 113:6251
 TITLE: Synthesis of heterocyclic S-(2-acylvinyl) dithiocarbamates and their heterocyclization under the action of perchloric acid
 AUTHOR(S): Elekhina, V. N.; Nakhmanovich, A. S.; Kalikhman, I. D.; Karnaukhov, R. V.
 CORPORATE SOURCE: Irk. Inst. Org. Khim., USSR
 SOURCE: Zhurnal Organicheskoi Khimii (1989), 25(10), 2165-8
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 113:6251
 AB Addition of R1COC.tplbond.CR2 (R1 = Ph, 2-thienyl, MeO, 2-furyl, CCl3, R2 = Ph, H) with CS2 and R3R4NH (R3R4NH = morpholine, piperidine, pyrrolidine) gave 52-94% R1COC:CR2S2CNR3R4 (I) in addition to (R1COC:CR2)2S (R1 = Ph, 2-thienyl, R2 = Ph). Treating I with HClO4 without solvent gave 57-98% of the corresponding perchlorate salts.
 IT 127458-56-4P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 127458-56-4 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 4,4,4-trichloro-3-oxo-1-phenyl-1-butenyl ester (9CI) (CA INDEX NAME)



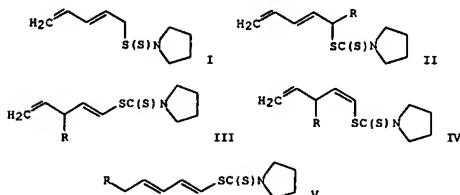
L9 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1988:492268 CAPLUS
 DOCUMENT NUMBER: 109:92268
 TITLE: Preparation of 1,4-disubstituted-2,3-dibromobut-2-enes
 INVENTOR(S): Rudolf, Wolf Dieter; Jeschke, Peter; Haase, Cornelia
 PATENT ASSIGNEE(S): Martin-Luther-Universitaet Halle-Wittenberg, Ger. Dem.
 SOURCE: Rep. Ger. (East), 5 pp. CODEN: GEJXKAS
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 252823	A1	19871230	DD 1986-294565	19860922
PRIORITY APPLN. INFO.:			DD 1986-294565	19860922

OTHER SOURCE(S): CASREACT 109:92268
 AB RXCH2CBr:CB:CH2XR (I; X = O, S; R = alkyl, aryl, heteroaryl, acyl, arylsulfonyl, aminothiocarbonyl; RX = amino, azido, N-heteroaryl) are prepared Reaction of 2.5 g PhCH2SH and 4 g 1,2,3,4-tetrabromobut-2-ene in KOH/EtOH gave 97% 1,4-bis(benzylthio)-2,3-dibromobut-2-ene.
 IT 115837-91-7P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 115837-91-7 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2,3-dibromo-2-butene-1,4-diyl ester (9CI) (CA INDEX NAME)



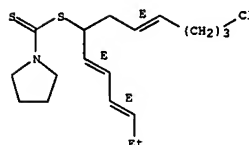
L9 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1983:437973 CAPLUS
 DOCUMENT NUMBER: 99:37973
 TITLE: Pentadienyl dithiocarbamate as a 1,5-dianion equivalent. Versatile reagent for polyene synthesis
 AUTHOR(S): Hayashi, Toshio; Hori, Isaburo; Oishi, Takeshi
 CORPORATE SOURCE: Inst. Phys. Chem. Res., Wako, 351, Japan
 SOURCE: Journal of the American Chemical Society (1983), 105(9), 2909-11
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 99:37973
 GI



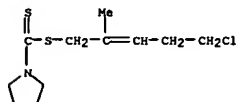
AB Pentadienyl dithiocarbamate I can be alkylated twice at the C (1) and C (5) positions, via a new double [3,3]-sigmatropic rearrangement. This procedure constitutes a general, convenient, and stereoselective synthesis of dienes, trienes, and tetraenes. By using this method, all (E)-2,4,6,8-decatetraene, -1-phenyl-1,3,5,7-nonatetraene, and -3,5,7-nonatrien-2-one were prepared Furthermore, it is demonstrated that the reactions of the Li salt of I with alkyl halides gave four regioisomers: α-trans-II (major isomer), γ-trans-III, γ-cis-IV, and α-trans-V.
 IT 85235-97-8P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 85235-97-8 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 1-(6-chloro-2-hexenyl)-2,4-heptadienyl ester, (E,E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

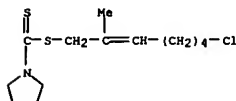
L9 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



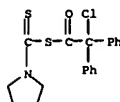
L9 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1978:596883 CAPLUS
 DOCUMENT NUMBER: 89:196883
 TITLE: Conversion of dithiocarbamates to iodides via S-alkylation
 AUTHOR(S): Sakurai, Akio; Hayashi, Toshio; Hori, Isaburo; Jindo, Yoshihiro; Oishi, Takeshi
 CORPORATE SOURCE: Inst. Phys. Chem. Res., Wako, Japan
 SOURCE: Synthesis (1978), (5), 370-2
 CODEN: SYNTBF; ISSN: 0039-7881
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 89:196883
 AB Allylic iodides (E)- and (Z)-RICH:CRCH₂I [R = H, Me; R₁ = Bu, n-hexyl, Cl(CH₂)_m (m = 2, 4), PhCH₂O(CH₂)_m (m = 1, 2)] were prepared in 81-92% yields by treatment of the corresponding allylic 1-pyrrolidinecarbodithioates with MeI in the dark under argon for 24 h. The products are converted into the chlorides by treatment with LiCl.
 IT 67242-87-9P 67242-88-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 RN 67242-87-9 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 5-chloro-2-methyl-2-pentenyl ester (9CI) (CA INDEX NAME)



67242-88-0 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 7-chloro-2-methyl-2-heptenyl ester (9CI) (CA INDEX NAME)



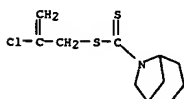
L9 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1975:578906 CAPLUS
 DOCUMENT NUMBER: 83:178906
 TITLE: Photochemical and thermal transformations of carboxylic dithiocarbamic anhydrides and acyl xanthates
 AUTHOR(S): Singh, S. N.; George, M. V.
 CORPORATE SOURCE: Dep. Chem., Indian Inst. Technol., Kanpur, India
 SOURCE: Tetrahedron (1975), 31(17), 2029-39
 CODEN: TETRAH; ISSN: 0040-4020
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Reaction of Ph₂CClCOC₂H₅ with RR₁NC₂S- [I: R = R₁ = Me, Et; R₁ = (CH₂)₄, (CH₂)₅, (CH₂)₂O(CH₂)₂] gave 57-92% Ph₂CClCOC₂CHRR₁ (II). Under analogous conditions, R₂CHClCOC₂H₅ (R₂ = Ph, H) reacted with I to give 47-90% RR₁NC₂CHRR₂CO₂H. EtOCS₂K reacted with PhCRR₁COC₂H (R = H, Cl, Ph, R₁ = R = H, R₁ = cyclopentyl) to give 64-75% PhCRR₁COC₂COEt (IV). Photolysis of II gave mixts. of (Ph₂CCl)₂, CO, and the corresponding thiocarbonyl sulfides, while photolysis of IV gave CO and the corresponding ethane derivs. Thermal decomposition of IV gave CS₂ and the corresponding esters. On refluxing II in R₂OH (R₂ = Me, Et, Pr), rearrangement occurred giving 50-90% RR₁NC₂CHRR₂CO₂R₂.
 IT 58033-14-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 RN 58033-14-0 CAPLUS
 CN Benzeneethanethioic acid, α-chloro-α-phenyl-, anhydrosulfide with 1-pyrrolidinecarbodithioic acid (9CI) (CA INDEX NAME)



L9 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1975:458663 CAPLUS
 DOCUMENT NUMBER: 83:58663
 TITLE: Control of weeds with N-carbenyl derivatives of azabicyclooctanes
 INVENTOR(S): Sturm, Elmar; Vogel, Christian
 PATENT ASSIGNEE(S): Ciba-Geigy Corp., USA
 SOURCE: U.S., 8 pp. Division of U.S. 3,705,165 (CA 78:43306g).
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

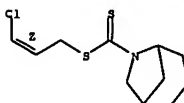
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3820974	A	19740628	US 1972-280610	19720814
US 3705165	A	19721205	US 1970-61442	19700805
PRIORITY APPLN. INFO.:			US 1970-61442	A3 19700805

GI For diagram(s), see printed CA Issue.
 AB Twenty-seven azabicyclooctanes (I, II, R = alkoxy(thiocarbonyl), [alkylthio]carbonyl), useful for their herbicidal activities against Echinochloa crus galli, Setaria glauca, and Scirpus mucronatus were prepared by acylating I and II (R = H). Thus 14g I (R = H)·HCl in 200 ml H₂O containing 8.0 g NaOH covered with a layer of 200 ml petroleum ether at 0-5° was treated with 11.8 g ClC(O)SEt for 30 min to give 15.2 g I [R = EtSC(O)].
 IT 31381-14-3P 31491-86-8P 31491-87-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 RN 31381-14-3 CAPLUS
 CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

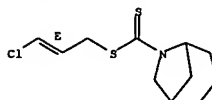


31491-86-8 CAPLUS
 CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L9 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 31491-87-9 CAPLUS
 CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl ester, (E)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.

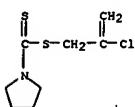


L9 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1974:81119 CAPLUS
 DOCUMENT NUMBER: 80:81119
 TITLE: Feed compositions for animals
 INVENTOR(S): Marco, Gino J.; Grainger, Robert B.
 PATENT ASSIGNEE(S): Monsanto Co.
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3778508	A	19731211	US 1969-874956	19691107
PRIORITY APPLN. INFO.: US 1969-874956 A 19691107				

AB Certain esters of dithiocarbamic acids are useful growth promoters for animals when the daily ration contains 0.005-0.05% by weight of the dithiocarbamates. For example, 19 g CS₂ was added dropwise at 20-3° to a stirred solution of 25.3 g diisopropylamine and 40 g of 25% NaOH in 250 ml H₂O. The product was stirred for 1 hr, and 40.3 g of 3-bromocyclohexene was added. The mixture was stirred for 24 hr, cooled to 0°, and the precipitate was filtered, washed with H₂O until neutral, and air dried. The resulting 2-cyclohexenyl N,N-diisopropylidithiocarbamate was a cream-colored solid, m. 55-7°, after recrystn. from EtOH. Other compds. claimed are 2-bromoallyl N,N-diethyldithiocarbamate, allyl N,N-diallyldithiocarbamate, 2-cyclohexenyl N-allyldithiocarbamate, and allyl N-2-dimethylaminoethyl dithiocarbamate.

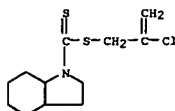
IT 35002-31-4
 RL: BIOL (Biological study)
 (animal growth-promoting substance, for feed)
 RN 35002-31-4 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



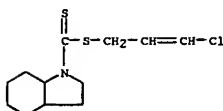
L9 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1973:159467 CAPLUS
 DOCUMENT NUMBER: 78:159467
 TITLE: Substituted azabicycloalkanes
 INVENTOR(S): Sturm, Elmar; Von Bredow, Brigitta; Vogel, Christian
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G.
 SOURCE: Patentschrift (Switz.), 4 pp.
 CODEN: SWXXAS
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 533106	A	19730315	CH 1972-5090	19710114
PRIORITY APPLN. INFO.: CH 1972-5090 A 19710114				

GI For diagram(s), see printed CA Issue.
 AB Twenty-eight perhydroquinolines and indoles (I; n=1,2; R=Me, Me₂CH, Et, Bu, 2-butenyl, allyl, 2-chloroallyl, Pr; R₁=H, Me) were prepared from perhydroquinoline or -indole, CS₂, and an alkyl halide such as EtBr, CH₂=CHCH₂Cl, etc.
 IT 38002-65-2P 38002-75-4P 38002-77-6P
 38002-78-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 38002-65-2 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

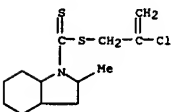


RN 38002-75-4 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-, 3-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

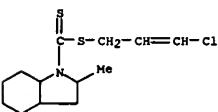


RN 38002-77-6 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-2-methyl-, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



RN 38002-78-7 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-2-methyl-, 3-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

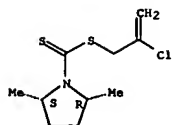


L9 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1973:58238 CAPLUS
 DOCUMENT NUMBER: 78:58238
 TITLE: Herbicidal 2-chloroallyl cis- and trans-2,5-dimethyl-1-pyrrolidinecarbodithioate
 INVENTOR(S): Pyne, William J.
 PATENT ASSIGNEE(S): Diamond Shamrock Corp.
 SOURCE: Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2225718	A	19721130	DE 1972-2225718	19720526
FR 2139843	A1	19730112	FR 1972-14405	19720424
BR 7203376	A0	19730426	BR 1972-3376	19720526
BR 7203378	A0	19730426	BR 1972-3378	19720526
ZA 7203625	A	19730725	ZA 1972-3625	19720526
IT 958097	A	19731020	IT 1972-50537	19720526
AU 7242816	A1	19731129	AU 1972-42816	19720526
AT 311955	B	19731210	AT 1972-4560	19720526
PRIORITY APPLN. INFO.: US 1971-148159 A 19710528				
US 1972-233295 A 19720309				

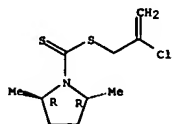
GI For diagram(s), see printed CA Issue.
 AB The title compds. (II), used as selective herbicides e.g. in rice, tomato, bean, and cereal cultures, were prepared by treatment of cis-2,5-dimethylpyrrolidine (II) or the trans isomer with aqueous NaOH and CS₂ to give the Na salt of cis-III or the trans isomer, resp., and reaction with H₂C:CClCH₂Cl. Thus, II was treated with aqueous NaOH and CS₂ > 45 min at 0-5° to give III.3H₂O. This was refluxed 4 hr with H₂C:CClCH₂Cl in Me₂CO to give cis-1. In preemergent tests with 1.68 kg/ha cis-1 or trans-1, Eleusine indica and Digitaria species were destroyed by 80 or 53%, resp.
 IT 39713-73-0 39713-74-1
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (herbicide)
 RN 39713-73-0 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2,5-dimethyl-, 2-chloro-2-propenyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



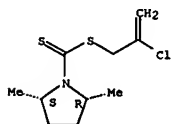
RN 39713-74-1 CAPLUS
CN 1-Pyrrolidinecarbodithioic acid, 2,5-dimethyl-, 2-chloro-2-propenyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 39713-73-0P 39713-74-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and herbicidal activity of)
RN 39713-73-0 CAPLUS
CN 1-Pyrrolidinecarbodithioic acid, 2,5-dimethyl-, 2-chloro-2-propenyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 39713-74-1 CAPLUS
CN 1-Pyrrolidinecarbodithioic acid, 2,5-dimethyl-, 2-chloro-2-propenyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1973:43306 CAPLUS
DOCUMENT NUMBER: 78:43306
TITLE: Herbicidal N-carbonyl derivatives of azabicyclooctanes
INVENTOR(S): Sturm, Elmer; Vogel, Christian
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3705165	A	19721205	US 1970-61442	19700805
US 3820974	A	19740628	US 1972-280610	19720814
PRIORITY APPLN. INFO.:			US 1970-61442	A3 19700805

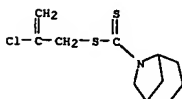
GI For diagram(s), see printed CA Issue.

AB Twenty-seven herbicidal N-allylthiocarbonyl derivs. of 6-azabicyclo[3.2.1]octane (I) and 2-azabicyclo[2.2.2]octane (III) were prepared

Thus I (R = H) was treated with EtSCl to give I (R = EtSCO (III)). II (R = H) was treated with SCO and EtBr to give II (R = EtSCO). I and II (R = MeSCO, Cl(CH2)3SCO, CH2:CHCH2CS2, etc) were similarly prepared in preemergence application at 30 kg/ha III killed millet, oats, and injured mustard. In postemergence application at 4 kg/ha III did not damage rice but severely damaged barnyard grass.

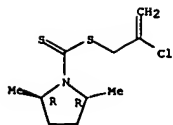
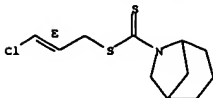
IT 31381-14-3P 31491-87-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 31381-14-3 CAPLUS
CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

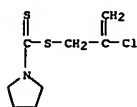


RN 31491-87-9 CAPLUS
CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 35002-31-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 35002-31-4 CAPLUS
CN 1-Pyrrolidinecarbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1972:551995 CAPLUS
 DOCUMENT NUMBER: 77:151995
 TITLE: Plant-protective decahydroquinoline and octahydroindole derivatives
 INVENTOR(S): Sturm, Elmar; Von Bredow, Brigitta; Vogel, Christian
 PATENT ASSIGNEE(S): Agripat S. A.
 SOURCE: Ger. Offen. 37 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

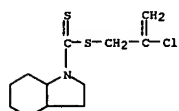
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2201500	A	19720817	DE 1972-2201500	19720113
CH 535537	A	19730530	CH 1971-552	19710114
DD 102563	C	19731220	DD 1971-160053	19711230
US 3839337	A	19741001	US 1972-216785	19720110
BE 777998	A1	19720713	BE 1972-112802	19720113
NL 7200532	A	19720718	NL 1972-532	19720113
FR 2121833	A5	19720825	FR 1972-1133	19720113
FR 2121833	B1	19741213		
ZA 7200226	A	19720927	ZA 1972-226	19720113
IT 946559	A	19730521	IT 1972-19345	19720113
HU 163472	P	19730927	HU 1972-AI206	19720113
			CH 1971-552	A 19710114

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.
 AB Nineteen title compds. (I, R = CS2R3, R3 = Me, Et, Pr, CHMe2, Bu, CMe:CHMe, CH2CH:CH2, CH2C(Cl):CH2, CH2CH:CHCl, R1 and R2 = H, Me, n = 1, 2) were prepared, partly as cis and/or trans, ad/or cis, trans isomers, by successive reaction of I (R = H) with CS2 and R3X (X = Cl, Br) in the presence of KOH or NaOH. I were used as plant-growth regulators for grasses, as herbicides in preemergence tests against weeds, e.g. millet and ryegrass, without affecting, e.g. rice, corn, and cotton, and as fungicides against mildew, e.g., on apple trees. Thus, CS2 was added to cis-I (R = R1 = R2 = H, n = 2) in EtOH-H2O-KOH at 0-5°, the mixture stirred 1 hr at 5-10°, EtCl added, and the mixture stirred 8 hr at room temperature to give 85% cis-I (R = CS2Et, R1 = R2 = H, n = 2).
 IT 38002-65-2P 38002-75-4P 38002-77-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 38002-65-2 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



RN 38002-75-4 CAPLUS

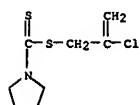
L9 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1972:72065 CAPLUS
 DOCUMENT NUMBER: 76:72065
 TITLE: Herbicidal dithiocarbamates
 INVENTOR(S): Toepfl, Werner; Martin, Henry
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G.
 SOURCE: Ger. Offen., 45 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2131135	A	19720105	DE 1971-2131135	19710623
NL 7108989	A	19720103	NL 1971-8989	19710629
FR 2100843	A1	19720324	FR 1971-23699	19710629
			CH 1970-9878	A 19700630

AB The title compds., RR1NCS2R2 (I; R = iso-Pr, CH2:C(Me)CH2, Et, Pr, Bu, sec-Bu, iso-Bu, CH2:CHCH2; R1 = Et, Pr, iso-Pr, Bu, sec-Bu, iso-Bu, CH2:CHCH2, CH2:CMeCH2, Me; (RR1 =) 1-pyrrolidinyl, piperidino, 2-, 3-, or 4-methylpiperidino, 2,6-dimethylpiperidino, heptahydroazepino; R3 = CH2CH:CH2, CH2C(Cl):CH2, CH2C(Br):CH2, CH2C(Me):CH2, CH2CH:CHMe, CH2C(Cl):CHCl, CH2CH:C(Cl)Me) were prepared by reaction of RR1NH with CS2 in the presence of NaOH and subsequent reaction with R2Cl. I were used as herbicides for controlling weeds in rice fields. Thus, 50% NaOH was added to iso-PrNHet in H2O, CS2 added at 5-10°, the mixture kept at room temperature overnight, ClCH2C(Cl):CH2 added at 20-5°, and the mixture kept 1 hr at room temperature and 5 hr at 45-50° to give 87 I (R = iso-Pr, R1 = Et, R2 = CH2C(Cl):CH2). Similarly prepared were 114 other I.
 IT 35002-31-4P 35002-32-5P

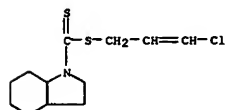
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 35002-31-4 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

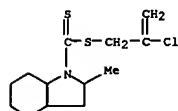


RN 35002-32-5 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 3-chloro-2-propenyl ester (9CI) (CA INDEX NAME)

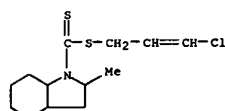
L9 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 1H-Indole-1-carbodithioic acid, octahydro-, 3-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



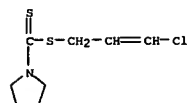
RN 38002-77-6 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-2-methyl-, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



RN 38002-78-7 CAPLUS
 CN 1H-Indole-1-carbodithioic acid, octahydro-2-methyl-, 3-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

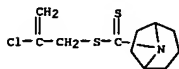


L9 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1971:125447 CAPLUS
DOCUMENT NUMBER: 74:125447
TITLE: Herbicidal N-substituted 8-azabicyclo[3.2.1]octanes and 9-azabicyclo[3.3.1]nonanes
INVENTOR(S): Sturm, Elmar; Vogel, Christian
PATENT ASSIGNEE(S): Agripat S. A.
SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

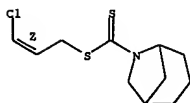
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2038171	A	19710304	DE 1970-2038171	19700731
CH 525609	A	19720731	CH 1969-525609	19690801
US 3661916	A	19720509	US 1970-56687	19700720
FR 2057896	A5	19710521	FR 1970-28406	19700731
GB 1273482	A	19720510	GB 1970-1273482	19700731
ES 382781	A1	19721201	ES 1970-382781	19700731
ES 382782	A1	19721201	ES 1970-382782	19700731
ES 382780	A1	19721216	ES 1970-382780	19700731
JP 48024731	B4	19730724	JP 1970-66994	19700731
US 3822123	A	19740702	US 1972-217284	19720112
			CH 1969-11725	A 19690801
			US 1970-56687	A3 19700720

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.
AB The herbicidal title compds. (I, n = 0, 1) were prepared by reaction of I (R = H) with CXS (X = O, S) and alkyl halides, with chloro(thio)-formates or ROCS2CH2CO2H. Compns. of granules, wettable powders, pastes, or emulsions containing I are reported. Among approx. 31 compds. prepared were I (R and n given): CH2:CHCH2S2C, 0; MeS2C, 1; MeSCO, 1; EtSCO, 0; Cl(CH2)3SCO, 1.
IT 31643-57-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
RN 31643-57-9 CAPLUS
CN 10H, 5aH-Nortropene-8-carbodithioic acid, 2-chloroallyl ester (8CI) (CA INDEX NAME)

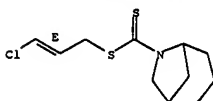


L9 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 31491-87-9 CAPLUS
CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

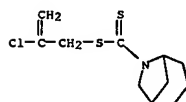


L9 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1971:99910 CAPLUS
DOCUMENT NUMBER: 74:99910
TITLE: Herbicidal N-substituted azabicyclooctanes
INVENTOR(S): Sturm, Elmar; Vogel, Christian
PATENT ASSIGNEE(S): Agripat S. A.
SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2040366	A	19710225	DE 1970-2040366	19700813
CH 513583	A	19711015	CH 1969-513583	19690814
FR 2058038	A5	19710521	FR 1970-29847	19700813
ES 382706	A1	19730116	ES 1970-382706	19700813
JP 48024732	B4	19730724	JP 1970-71138	19700813
GB 1326795	A	19730815	GB 1970-38972	19700813
			CH 1969-12409	A 19690814

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.
AB The herbicidal title compds. (I) were prepared by reaction of azabicyclooctanes with thiocarbonyl halides or with COCl2 or CSCl2 and the alkali metal salt of an alkanol or mercaptan. Compns. of granules, powders, pastes, and emulsions containing I as active substances were reported. Among 27 compds. prepared were I (m, n, X, Y, and R given):
3, 1, O, S, Et; 2, 2, S, S, alkyl; 3, 1, O, S, Cl(CH2)3; 3, 1, S, S, CH2CCL:CH2; 2, 2, O, S, tert-Bu.
IT 31381-14-3P 31491-86-8P 31491-87-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
RN 31381-14-3 CAPLUS
CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



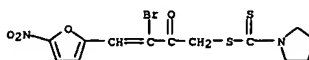
RN 31491-86-8 CAPLUS
CN 6-Azabicyclo[3.2.1]octane-6-carbodithioic acid, 3-chloro-2-propenyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L9 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1970:43415 CAPLUS
DOCUMENT NUMBER: 72:43415
TITLE: 1-(N,N-Disubstituted thiocarbamoylthio)-4-(5-nitro-2-furyl)-3-buten-2-ones
INVENTOR(S): Saikawa, Isamu; Takano, Shuntaro
PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd.
SOURCE: Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 44027387	B4	19691113	JP	19670529

GI For diagram(s), see printed CA Issue.
AB The preparation of I, fungicide especially effective against Trichophyton interdigitale, is described. Thus, an aqueous solution of 1 g Na dimethyldithiocarbamate is added to 1 g 1-bromo-4-(5-nitro-2-furyl)-3-buten-2-one in 10 ml Me2CO and the mixture kept 2 hr to give 1 g I (R = H, R1 = NMe2), m. 142-3° (Me2CO). Similarly prepared are the following I (R, R1, and m.p. given): Br, nEt2, 107-8°; Br, morpholino, 158-9°; Br, NMe2, 135-7°; H, nEt2, 107-8°; H, 1-pyrrolidinyl, 158-9°; Br, 1-pyrrolidinyl, 158-9°; H, piperidino, 141-2°; Br, piperidino, 133-4°; H, morpholino, 139-40°.
IT 25262-96-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
RN 25262-96-8 CAPLUS
CN 1-Pyrrolidinecarbodithioic acid, ester with 3-bromo-1-mercapto-4-(5-nitro-2-furyl)-3-buten-2-one (8CI) (CA INDEX NAME)



L9 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1965:483752 CAPLUS
 DOCUMENT NUMBER: 63:83752
 ORIGINAL REFERENCE NO.: 63:15469c-e
 TITLE: Developments in fungicide research
 AUTHOR(S): Wain, R.
 CORPORATE SOURCE: Univ. London
 SOURCE: Mededel. Landbouwkogeschool Opzoekingssta. Staat Gent (1963), 28(3), 516-24
 DOCUMENT TYPE: Journal
 LANGUAGE: English

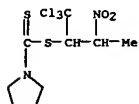
AB A review of the development of systemic fungicides emphasizes the fact that griseofulvin is the only one in com. use. The possibility of specific chemicals in plants producing natural resistance is discussed, and the presence of such compds. in broad bean (*Vicia faba*) seedlings is cited as an example. The compound which can be isolated from *V. faba* is

not very effective against *Botrytis cinerea* which is pathogenic to *V. faba*. The action of a series of nonsystemic dithiocarbamoyl trichloro nitro paraffins [RC(:S)SCH(CCl₃)CH(NO₂)R'] against *B. cinerea* was studied, and the effectiveness of 8 of these is as follows (R, R₁, and E.D.50 in ppm. given): Me₂N, H, 30.3; Et₂N, H, 87.0; iso-Pr₂N, H, <1000; 1-pyrrolidinyl, H, 26.1; piperidino, H, 117.5; morpholino, H, 39.1; Me₂N, Me (I), 1.81; Et₂N, Me, 32.4; iso-Pr₂N, Me, <1000; Pr₂N, Me, <1000; iso-Bu₂N, Me, <1000; Bu₂N, Me, <1000; 1-pyrrolidinyl, Me (II), 6.0; piperidino, Me, <1000; morpholino, Me, <1000. Captan showed an E.D.50 of 9.21 ppm. The

activity of I and II against *B. fabae*, *Alternaria brassicicola*, *Glomerella cingulata*, *Uromyces fabae*, *Aspergillus niger*, and *Erysiphe graminis* was equal to that of Captan but not as great as that of Karathane [2,4-dinitro-6-(1-methylheptyl)phenyl crotonate].

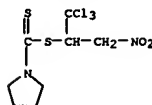
IT 3696-88-6, 1-Pyrrolidinecarbodithioic acid, 2-nitro-1-(trichloromethyl)propyl ester 3845-50-9, 1-Pyrrolidinecarbodithioic acid, 2,2,2-trichloro-1-(nitromethyl)ethyl ester (fungicidal activity of)

RN 3696-88-6 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2-nitro-1-(trichloromethyl)propyl ester (7CI, 8CI) (CA INDEX NAME)



RN 3845-50-9 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2,2,2-trichloro-1-(nitromethyl)ethyl ester (7CI, 9CI) (CA INDEX NAME)

L9 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

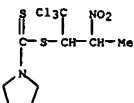


L9 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1964:86039 CAPLUS
 DOCUMENT NUMBER: 60:86039
 ORIGINAL REFERENCE NO.: 60:15074h,15075a-b
 TITLE: Fungicides. VIII. The fungicidal properties of some thiocarbamoylthio nitro paraffins
 AUTHOR(S): Wain, R. L.; Sobotka, W.; Spencer, D. M.
 CORPORATE SOURCE: Wye Coll., Ashford, UK
 SOURCE: Annals of Applied Biology (1963), 51(3), 445-52
 CODEN: AABIAV; ISSN: 0003-4746
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. CA 60, 2269b. The following compds. of structure XC(:S)CH(CCl₃)CHNO₂

were prepared by adding, with stirring at -5 to -10°, a solution of 0.1 mole nitro chloro olefin in 20 ml. MeOH to a solution of 0.1 mole anhydrous Na dialkylidithiocarbamate in 125 ml. MeOH, pouring the mixture into 1 l. H₂O containing 15 ml. AcOH, extracting 5 times with 100-ml. portions Et₂O, freeing the extract from solvent, and recrystg. the resulting solid (R, X, m.p., and recrystn. solvent given): H, Me₂N, 39-40°, CHCl₃; H, Et₂N, 53-4°, CCl₄-EtOH; H, iso-Pr₂N, 76.5-7.5°, petr. ether; H, 1-pyrrolidinyl (I), 83-4°, CCl₄; H, piperidino (II), 102-3°, MeOH; H, morpholino (III), 86-7°, CCl₄; Me, Me₂N, 106-7°, EtOH; Me, Et₂N, 89.0-9.5°, EtOH; Me, iso-Pr₂N, 110.0-10.5°, MeOH; Me, Pr₂N, 75-6°, petr. ether; Me, iso-Bu₂, 85.0-5.5°, petr. ether; Me, Bu₂N, 31-2°, -, Me, I, 111-12°, EtOH; Me, II, 109-10°, EtOH; Me, III, 113-14°, EtOH. Similarly prepared, by using 0.2 mole nitro chloro olefin, were 1,4-bis[(1-trichloromethyl-2-nitroethylthio)thiocarbonyl]piperazine, m. >360° (CHCl₃-EtOH), and 1,4-bis[(1-trichloromethyl-2-nitropropylthio)thiocarbonyl] piperazine, darkens 196-200° (dilute Me₂CO). All compds. were examined for their ability to inhibit the germination of *Botrytis cinerea* spores in vitro. The compds. showing greatest fungistatic activity were those with R = Me and X = Me₂N or I. These 2 compds. were tested against 6 other fungi and their protectant fungicidal activity was also assessed against *B. fabae* and *Uromyces fabae* on broad bean and against *Erysiphe graminis* on wheat, using captan and dinocap (Karathane) as standards. They showed low phytotoxicity and good fungicidal properties.

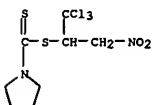
IT 3696-88-6, 1-Pyrrolidinecarbodithioic acid, 2-nitro-1-(trichloromethyl)propyl ester 3845-50-9, 1-Pyrrolidinecarbodithioic acid, 2-nitro-1-(trichloromethyl)ethyl ester (preparation and fungicidal activity of)

RN 3696-88-6 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2-nitro-1-(trichloromethyl)propyl ester (7CI, 8CI) (CA INDEX NAME)



RN 3845-50-9 CAPLUS

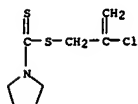
L9 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 1-Pyrrolidinecarbodithioic acid, 2,2,2-trichloro-1-(nitromethyl)ethyl ester (7CI, 9CI) (CA INDEX NAME)



L9 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1963:411658 CAPLUS
 DOCUMENT NUMBER: 59:11658
 ORIGINAL REFERENCE NO.: 59:2113b,2114a
 TITLE: Controlling Vegetation with hydrocarbon mononitrogen heterocyclic aminocarbodithioates
 INVENTOR(S): Harman, Marion W.; D'Amico, John J.
 PATENT ASSIGNEE(S): Monsanto Chemical Co.
 SOURCE: 4 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3078153		19630219	US 1959-845079	19591008
PRIORITY APPLN. INFO.:			US	19591008

AB Preemergence and postemergence herbicides contain as an active ingredient the phytotoxic ester of dithiocarbamic acid. Test data obtained on wild oats, grass, pigweed, foxtail, and beet sugar after application of 3-25 lb./acre are given for allyl 5-ethyl-2-methyl-, 2-chloroallyl-5-ethyl-2-methyl- and 2-chloroallyl-2-methyl-1-piperidinecarbodithioate and for allyl- and 2-chloroallyl-1-pyrrolidinecarbodithioate.
 IT 35002-31-4, 1-Pyrrolidinecarbodithioic acid, 2-chloroallyl ester (as herbicide)
 RN 35002-31-4 CAPLUS
 CN 1-Pyrrolidinecarbodithioic acid, 2-chloro-2-propenyl ester (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

102.66

448.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-15.00

-15.00

STN INTERNATIONAL LOGOFF AT 12:56:08 ON 06 APR 2006